

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2009-XXXX
FOR
LAKE OROVILLE MARINA, LLC
AND
STATE OF CALIFORNIA
DEPARTMENT OF PARKS AND RECREATION AND
DEPARTMENT OF WATER RESOURCES
FOR
OPERATION OF LAKE OROVILLE MARINA
BUTTE COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for the marina holding tanks, evaporation pond, groundwater and surface water monitoring, and a reporting schedule.

The Discharger shall submit one **monthly monitoring report** to the Regional Water Board Office, which includes the information stipulated below. **Monthly monitoring reports shall be submitted to the Regional Water Board by the end of the month following the reporting period in which samples were collected and/or observations made by State DPR and Lake Oroville Marina LLC.**

State DPR Monitoring

MARINA HOLDING TANK MONITORING

Septic tank maintenance inspections shall be performed at least **annually**. Information concerning inspections and maintenance activities (including, but not limited to, pumping, replacement, and repairs) shall be reported in the corresponding monthly monitoring report.

The contents from marina septic tanks shall be periodically removed. The last date of service of each septic tank and holding tank and the quantity of sewage removed shall also be reported.

In addition, the Discharger shall record the quantity of sewage pumped from the marina to the holding tank on a **daily** basis and report the results **monthly**.

EVAPORATION POND MONITORING

Wastewater samples shall be obtained from the evaporation pond annually and analyzed for the parameters outlined in Table 1. In addition, the Discharger shall report the volume of wastewater discharged to the pond, in addition to observed freeboard, solids accumulation, and vegetative growth.

Table 1 Summary of evaporation pond monitoring

PARAMETER	UNITS	FREQUENCY
Kjeldahl-Nitrogen	mg/L	Annually
Nitrate-Nitrogen	mg/L	Annually
Formaldehyde	µg/L	Annually
Biological Oxygen Demand	mg/L	Annually
Flow to pond	Gallons	Daily
Freeboard	Feet	Weekly
Accumulated solids and vegetation	narrative	Monthly

*Semiannual samples shall be collected in March and August each year

GROUNDWATER MONITORING

State DPR shall install a groundwater monitoring network adjacent to the evaporation pond, which consists of at least two downgradient, and one background monitoring location. Groundwater monitoring locations shall be sampled in accordance with the following schedule in Table 2.

Table 2 Summary of groundwater monitoring

PARAMETER	UNITS	FREQUENCY
Nitrate-Nitrogen	mg/L	Quarterly
Kjeldahl Nitrogen (TKN)	mg/L	Quarterly
Total Coliform	MPN/100 mL	Quarterly
Fecal Coliform	MPN/100 mL	Quarterly
Formaldehyde	µg/L	Quarterly
Total Organic Carbon	mg/L	Quarterly
Total Dissolved Solids	mg/L	Quarterly
Electrical Conductivity	µmhos/cm	Quarterly
Dissolved Oxygen	mg/L	Quarterly

Lake Oroville Marina LLC Monitoring

SURFACE WATER MONITORING

Surface water samples shall be collected around the marina each month from May through September, in the general areas depicted in Attachment B, and analyzed for total and fecal

coliform (Standard Method 9221 or 9222). Samples shall be collected, even if the dock configuration changes.

If any fecal coliform analysis exceeds 400 CFU/100 mL or if the geometric mean of fecal coliform analyses taken within any 30 day period exceed 200 CFU/100 mL, the Discharger shall immediately report the results, dye test the sewage collection system, and re-analyze all receiving water stations. Sampling shall continue daily until compliance is achieved.

STANDARD OBSERVATIONS

The moorage area shall be visually inspected, at least **monthly**, to determine if boats are discharging gray water while moored at the facility. If gray water discharges are occurring, the vessel identification number and moorage area shall be noted and reported to the Regional Water Board. Visual observation and inspection notes shall be included in the monthly monitoring report. A log shall be kept of the water conditions with attention given to the presence or absence of:

- Floating or suspended matter
- Oil sheen or slick
- Discoloration
- Scum or foam
- Aquatic life

REPORTING

The Discharger shall arrange monitoring data in tabular form so that the date, sample type, and analytical result for each sample area readily discernible. The data shall be summarized in such a manner to illustrate clearly compliance with waste discharge requirements. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported to the Regional Water Board.

Table 3 Monitoring reporting schedule

Monitoring Type	Responsible Party	Performance Schedule	Reporting Schedule
Groundwater	State DPR	Quarterly	month performed
Evaporation Pond	State DPR	Daily	month performed
Septic Tank	State DPR	Annually	month performed
Surface Water	Lake Oroville Marina LLC	monthly (May - September)	monthly (June - October)
Standard Observations	Lake Oroville Marina LLC	monthly	month performed

The Discharger shall implement the above monitoring program as of the date of this Order.
The Discharger shall comply with the MRP until a revised MRP is issued by the Executive Officer.

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

(Date)

KB/KLC: sae
02/24/2009

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